

AMENDMENTS TO THE CLAIMS

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application. Please amend the claims as follows.

1. (Currently amended) A method of producing a part comprising:
specifying a requirement for the part to be produced;
generating a recipe for production of said part conforming to said requirement;
identifying a vendor capable of producing said part according to said recipe;
identifying an optimal machine and tooling combination for producing said part according to said recipe; and
using the optimal machine and tooling combination and the vendor to produce the part according to said recipe.
2. (Currently Amended) The method of claim 1 ~~wherein identifying said vendor comprises further comprising~~ creating said vendor.
3. (Original) The method of claim 1 wherein identifying said vendor comprises selecting said vendor.
4. (Original) The method of claim 1 further comprising monitoring the manufacture of said part.

5. (Original) The method of claim 1 wherein generating said recipe comprises:
 - identifying a physical characteristic of said part;
 - determining the part specifications of said part;
 - identifying at least one machine capable of producing said part;
 - identifying at least one tool capable of producing said part on said machine; and
 - determining a production process for creating said part exhibiting said physical characteristic.
6. (Currently amended) The method of claim 5 wherein identifying at least one machine capable of producing said part comprises identifying a plurality of machines capable of producing said part, and identifying at least one tool capable of producing said part on said machine comprises identifying a plurality of tools capable of producing said part on said machine, and wherein the method further comprises
 - determining at least one **effective** combination of one of said plurality of machines and one of said plurality of tools, wherein said **effective** combination is capable of producing said part.
7. (Currently amended) The method of claim 6 wherein determining at least one **effective** combination of one of said plurality of machines and one of said plurality of tools comprises determining a plurality of **effective** combinations, and further comprising identifying one of the plurality of **effective** combinations as a combination for use in producing said part.

8. (Original) The method of claim 5 wherein said at least one machine is capable of carrying out at least part of said production process and said at least one tool is capable of carrying out at least one part of said production process.

9. (Currently amended) The method of claim 5 further comprising determining an **effective** machine setup.

10. (Original) The method of claim 5 further comprising accessing a database comprising machine data and tool data.

11. (Currently amended) The method of claim 3 wherein selecting the vendor comprises:

accessing a vendor database having vendor data associated with a plurality of vendors; and

selecting an **effective** combination of said recipe and one of said plurality of vendors.

12. (Currently amended) The method of claim 8 wherein identifying the vendor comprises selecting the vendor, and selecting the vendor comprises:

accessing a vendor database having vendor data associated with a plurality of vendors; and

selecting an **effective** combination of said recipe and one of said plurality of vendors.

13. (Original) The method of claim 11 further comprising maintaining said vendor database.

14. (Original) The method of claim 11 further comprising providing said recipe to one or more of said plurality of vendors.

15. (Previously Presented) The method of claim 1, further comprising executing said recipe, wherein said recipe comprises at least one of a machine and tooling combination, a process path, a production setting, part data, machine data, and tool data.

16. (Previously Presented) The method of claim 4 wherein said monitoring comprises receiving communication from a computer network.

17. (Previously Presented) The method of claim 4 wherein said monitoring comprises receiving communication from a telephone network.

18. (Currently Amended) The method of claim 1 further comprising publishing said recipe, receiving a plurality of bids to carry out ~~said~~ executing said recipe from a plurality of vendors, and selecting one of said plurality of vendors to carry out said executing said recipe.

19. (Currently Amended) The method of claim 7 further comprising publishing said recipe, receiving a plurality of bids to carry out ~~said~~ executing said recipe from a plurality of vendors, and selecting one of said plurality of vendors to carry out said executing said recipe.

20. (Original) The method of claim 1 further comprising inspecting said vendor and, if said vendor meets predefined standards of capability of producing said part according to said recipe, certifying said vendor.